

REMARKS

Claims 1-8, 11, 12, 14 and 19-30 are pending in this application. By this paper, the Applicant amends claim 1. Claims 9, 10, 13 and 15-18 were cancelled previously. No new matter has been added.

The Applicant notes with appreciation that the Examiner deems claims 8 and 11 allowable if rewritten in independent form to include the base claim and any intervening claims.

The Applicant amends claim 1 to overcome the cited art of Babaian in view of Leuh and Rudd. As amended, claim 1 recites invoking a signal handler to handle a detected exception using a selected level of subject context precision. As amended, claim 1 separates the selected level of subject context precision into two categories: level (a) being a precise register state, and level (b) being a level less than the entire subject processor state.

The Applicant submits that neither Babaian, Lueh, nor Rudd, alone or in combination, teaches or suggests the subject matter of amended claim 1, so claim 1 should be allowable. Claims 2-8 and 11 depend from allowable claim 1, so they should also be allowable.

Regarding independent claim 29, the Examiner admits that neither Babaian nor Leuh discloses "the selected level of subject context comprises a level in which less than an entire subject processor state is passed to the signal handler." The Examiner points to Rudd as disclosing this limitation. However, the Applicant submits that Rudd does not teach or suggest a level which is less than an entire processor state being passed to a signal handler. In fact, the use of the term "all" in the cited text of Rudd teaches the opposite:

"The processor (or the exception handler) must also ensure that the appropriate processor state – register values, status information, etc. – are all preserved appropriately;" (Rudd, page 8, emphasis added).

For at least the reasons set forth above, claim 29 should be allowable.

Regarding claims 12 and 30, the Applicant disagrees that Krishnaswamy teaches or suggests, “*wherein the step of reconstructing a subject context comprises reconstructing less than an entire subject processor state, . . .*”. The text of Krishnaswamy that the Examiner cites (paragraph [0008]) does not teach or suggest this limitation.

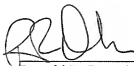
Further, the Applicant disagrees that Lueh teaches or suggests, “*the reconstructed subject context includes one or more of (i) a last known stack frame, (ii) a zero level representing no subject processor state, and (iii) a precise program counter value.*” The text of Lueh that the Examiner cites (paragraph [0006]) describes in broad terms a “stack unwinding mechanism,” but does not teach or suggest the reconstructed subject context subject matter recited in claim 12. For at least the reasons set forth above, claims 12 and 30 should be allowable. Since claims 14 and 19-28 depend from allowable claim 12, those claims should also be allowable.

In view of the above amendment, applicant believes the pending application is in condition for allowance.

Applicant believes no fee is due with this response. However, if a fee is due, please charge our Deposit Account No. 08-0219, under Order No. 1801270.00132US1 from which the undersigned is authorized to draw.

Respectfully submitted,

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